

AG Contract No : KR04-1348TRN
ADOT ECS File No JPA 03-108
TRACS No :H5781 01C
Program Item Number 83302
Section: Red Mountain Freeway SR 202L,
Higley Road to Power Road

INTERGOVERNMENTAL AGREEMENT

BETWEEN
THE STATE OF ARIZONA
AND
THE CITY OF MESA

THIS AGREEMENT is entered into the 7th of January, 2005, pursuant to Arizona Revised Statutes, Sections 11-951 through 11-954, as amended, between the STATE OF ARIZONA, acting by and through its DEPARTMENT OF TRANSPORTATION (the "State") and the CITY OF MESA, acting by and through its MAYOR and CITY COUNCIL (the "City").

I. RECITALS

1. The State is empowered by Arizona Revised Statutes Section 28-401 to enter into this Agreement and has delegated to the undersigned the authority to execute this Agreement on behalf of the State.

2. The City is empowered by Arizona Revised Statutes Section 48-572 and City Charter, Article I, Section 103, to enter into this Agreement and has by resolution, a copy of which is attached hereto and made a part hereof, resolved to enter into this Agreement and has authorized the undersigned to execute this Agreement on behalf of the City.

3. The State has programmed the SR 202L Red Mountain Freeway, from Higley Road to Power Road for construction, which includes roadway, bridge, drainage and appurtenant features with an original construction cost of \$22,855,184.00. The City requests the State to include certain utility work and other related roadway enhancements in the State's construction of the Red Mountain Freeway, herein after referred to as the "Project". The City will fund the Project, in an estimated amount of \$539,442.00, including construction engineering administration costs, as shown on Exhibit B, attached hereto and made a part hereof. The following improvements will be incorporated into the State's construction project to benefit the City's future construction developments: a) Road widening on Recker Road to provide a second northbound to westbound turn lane. b) Widening of Recker Road Bridge to provide a second northbound to westbound turn lane. c) Widening of Recker Road Bridge to provide 8-foot sidewalks. d) Installation of conduits for future utility use through the Recker Road Bridge. e) Traffic signal enhancements and new traffic signal at Virginia and Recker Road. f) Installation of new utilities, including 12" sewer line crossing the freeway at 56th Street.

4. The State's construction for the Project will include, at no cost to the City, relocation of the City utilities for which prior rights have been documented. Furthermore, the City has relocated certain prior rights utilities in advance of the Project. The relocation costs for these utilities is considered a cost of the Project. The cost of the City relocation of prior rights utilities is \$620,658.00 as shown in Exhibit C, attached hereto and made a part hereof. At no time is the State to be considered the owner of, operator of, or locator for, the City's utilities.

NO. 27305
Filed with the Secretary of State
Date Filed: 01/07/05

Janice K. Brewer
Secretary of State

By: Vicky D. Brauerwald

5. The parties hereto agree to and acknowledge the following conditions: 1) The amounts referenced in this Agreement are subject to change and can change substantially; 2) Both parties will perform their responsibilities consistent with the Agreement; 3) Any changes to the related items listed on Exhibit A, B, and C, attached hereto and made a part hereof, will only occur with the mutual written Agreement of the City and the State.

THEREFORE, in consideration of the mutual covenants expressed herein, it is agreed as follows:

II. SCOPE OF WORK

1. The State will:

a. Upon execution of this Agreement and receipt of an invoice, remit to the City an amount of \$81,216.00 which includes reimbursement for City relocation of prior rights utilities and for design, construction engineering and administration and contingencies as detailed in Exhibits A, B, and C.

b. Agree to be the authorized agent for the City and on behalf of the City, prepare to State standards; design plans, specifications and other such documents and services required for the bidding and construction of the Project. Coordinate with the City for review of the above said documents and incorporate review comments as appropriate.

c. Be responsible for actual cost associated with the relocation of certain City utilities where prior rights have been documented, including protection of the existing waterline crossing at 64th Street, as indicated on Exhibit C, attached hereto and made a part hereof.

d. Coordinate with the City for the review and clearance of the utility work and other roadway items related to the Project.

e. On behalf of the City, award one or more construction contracts to accomplish the Project, administer it and make all payments to the contractor(s). Confer with the City on any contract modifications related to the Project. Be responsible for any contractor claims for extra compensation due to delays or whatever reason attributable to the State.

f. Upon completion of the Project, and final reconciliation of the Project costs, remit to or invoice the City, as the case may be, for the difference between the amount paid by the State and the actual costs for the Project, including, but not limited to: design, construction and construction engineering and administration costs (not to exceed 14% of construction cost).

g. Upon completion of the Project, the State will assume responsibility for operation, maintenance and electrical power costs for the State's facilities including freeway lighting. The State will assume responsibility for electrical power costs associated with the traffic signals at Recker Road and Power Road.

h. Upon acceptance, the State will deliver to the City redline as-built drawings (draft as-built plans). The State will prepare and deliver to the City stamped final as-built plans of the Project. Preparation of the stamped as-built plans will normally be within one year after acceptance of the Project.

2. The City will:

a. Upon execution of this Agreement, invoice the State in an amount of \$81,216.00 for the original construction costs of the Project which includes City relocation of prior rights utilities, design, construction engineering and administration and contingencies as detailed in Exhibits A, B, and C.

b. Agree to designate the State as authorized agent for the City, for the construction and administration of the Project.

c. Coordinate with the State, for the review of design plans, specifications and other such documents and services required for construction of the Project. Provide review comments as appropriate.

d. Coordinate with the State, for review and clearance of the utility work and other roadway items related to the Project.

e. Waive water development fees

f. Be responsible for any contractor claims for delay or extra compensation should unforeseen conditions or circumstances increase the cost of said work required by the change in the extent or scope of work requested by the City.

g. Be responsible for all costs associated with the Project as defined herein and shown in Exhibit A, B, & C including, a fixed rate of 14% for construction engineering and administration of the Project

h. Upon completion of the Project assume responsibility for operation and maintenance of electrical power costs for the City streetlights and traffic signals at Virginia Street.

i. Upon acceptance by the State of the Project, and receipt of the Project's red-line plans from the State, assume Blue Stake responsibility for the potable water lines and sewer lines and other City owned utilities, constructed by State as identified in Exhibit A, B, & C.

j. Upon completion of the Project, maintain and operate City facilities covered by this Agreement and be responsible for the cost there from. Maintenance, operations and associated costs for the City's facilities covered by the Agreement will be the responsibility of the City. At no time is the State to be considered the owner of, operator of or locator for, the City's existing and/or new utilities

k. Apply for a State's Right-of-way Use Permit for all work within the State's Right-of-way. The Permit Application shall be requested and approved through the State's Phoenix Maintenance District Permits Office

III. MISCELLANEOUS PROVISIONS

1. This Agreement shall remain in force and effect until completion of the Project herein and reimbursements; provided, however, that this Agreement, except any provisions for electrical power, maintenance and operation of City owned facilities, utilities and streetlights, and traffic signals shall be perpetual maintain by the City. This Agreement may be cancelled at any time prior to the award of a construction contract, upon (30) thirty-days written notice to the other party. It is understood and agreed that, in the event the City terminates this Agreement, the State shall in no way be obligated to maintain said Project out-side of State's right-of-way and the City shall own and maintain said improvements

2. The parties to this Agreement agree that the State of Arizona shall be indemnified and held harmless by the City for the vicarious liability of the State as a result of entering into this Agreement. It is understood and agreed that any damages arising from carrying out, in any respect, the terms of this Agreement or any modification thereof, shall be solely the liability of the City and that the City hereby agrees to save, hold harmless and indemnify from loss the State, any of its departments, agencies, officers or employees from any and all cost and/or damage incurred by any of the above and from any other damage to any person or property whatsoever, which is caused by any activity, condition, or event arising out of the performance or nonperformance of any provisions of this Agreement by the State, any of its departments agencies, officers and employees, the City any of its agents, officers and employees, or any of its independent contractors. Costs incurred by the State, any of its departments, agencies, officers or employees shall include in the event of any action, court costs, and expenses of litigation or reasonable attorneys' fees

3. This Agreement shall become effective upon filing with the Secretary of State

4. This Agreement may be cancelled in accordance with Arizona Revised Statutes Section 38-511.

5. The provisions of Arizona Revised Statutes Section 35-214 are applicable to this contract.

6. In the event of any controversy, which may arise out of this Agreement, the parties hereto agree to abide by required arbitration as is set forth for public works contracts in Arizona Revised Statutes Section 12-1518.

7. This Agreement is subject to all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable federal regulations under the Act, including 28 CFR Parts 35 and 36. The parties to this Agreement shall comply with Executive Order Number 99-4 issued by the Governor of the State of Arizona, and incorporated herein by reference regarding "Non-Discrimination"

8. Non-Availability of Funds: Every payment obligation of the City and State under this contract is conditioned upon the availability of funds appropriated or allocated for the payment of such obligation. If funds are not allocated and available for the continuance of this contract, this contract may be terminated by the City or the State at the end of the period for which the funds are available. No liability shall accrue to the City or the State in the event this provision is exercised, and the City or the State shall not be obligated or liable for any future payments or for any damages as a result of termination under this paragraph.

9. All notices or demands upon any party to this Agreement shall be in writing and shall be delivered in person or sent by mail addressed as follows:

Arizona Department of Transportation
Joint Project Administration
205 South 17 Avenue, Mail Drop 616E
Phoenix, AZ 85007

City of Mesa
City Manager
P.O. Box 1466
Mesa, Arizona 85211-1466

10. In accordance with Arizona revised Statutes Section 11-952, (D) attached hereto and incorporated herein is the written determination of each party's legal counsel that the parties are authorized under the laws of this state to enter into this Agreement and that the Agreement is in proper form.

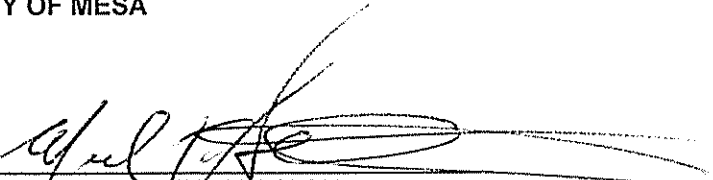
IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written.

CITY OF MESA

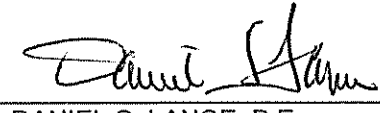
STATE OF ARIZONA

Department of Transportation

By

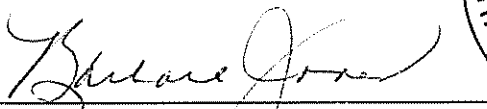

MICHAEL T. HUTCHINSON
City Manager

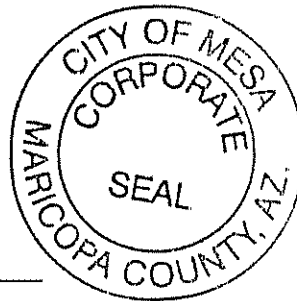
By


DANIEL S. LANCE, P.E.
Deputy State Engineer, Valley Transportation

ATTEST

By


BARBARA JONES
City Clerk



RESOLUTION NO. 8372

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, ARIZONA, APPROVING AND AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT BETWEEN THE STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION AND THE CITY OF MESA FOR UTILITY AND FREEWAY ENAHNCMENTS ALONG THE RED MOUNTAIN FREEWAY FROM HIGLEY ROAD TO POWER RD

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MESA, MARICOPA COUNTY, AS FOLLOWS:

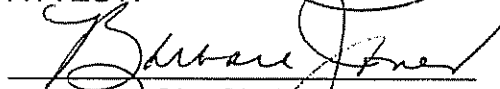
Section 1: That the cost sharing agreement between the State of Arizona Department of Transportation and the City of Mesa for the design and construction of the utility and freeway enhancements along the Red Mountain Freeway from Higley Rd to Power Rd (ADOT JPA No. 03-108); is hereby approved.

Section 2: That the City Manager, Michael T. Hutchinson, or his designated representative, is authorized and directed to execute the agreement on behalf of the City of Mesa, and the City Clerk is authorized and directed to attest to the signature of the City Manager or his authorized designated representative thereon.

PASSED AND ADOPTED by the City Council of the City of Mesa, Maricopa County, Arizona, this 6th day of December, 2004.




ATTEST:



City Clerk

APPROVED:



Mayor

ATTORNEY APPROVAL FORM

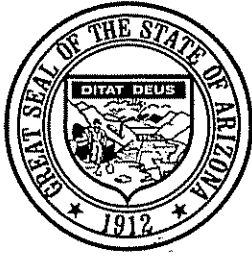
FOR THE CITY OF MESA

I have reviewed the above referenced intergovernmental agreement between the DEPARTMENT OF TRANSPORTATION, INTERMODAL TRANSPORTATION DIVISION, and the CITY OF MESA, an agreement among public agencies, which, has been reviewed pursuant to A.R.S. section 11-951 through 11-954, and declare this agreement to be in proper form and within the powers and authority granted to the CITY under the laws of the State of Arizona. No opinion is expressed as to the authority of the State to enter into this agreement.

DATED this 7th day of December, 2004.

Debbie Spiner

Attorney



**ATTORNEY GENERAL
CIVIL DIVISION
TRANSPORTATION SECTION**

MEMORANDUM

Jeffrey T. Murray
Assistant Attorney General

Direct: (602) 542-8859
Fax: (602) 542-3646


**INTERGOVERNMENTAL AGREEMENT
DETERMINATION**

A.G. Contract No. KR04-1348TRN (**JPA 03-108**), an Agreement between public agencies, has been reviewed pursuant to A.R.S. § 11-952, as amended, by the Undersigned Assistant Attorney General who has determined that it is in the proper form and is within the powers and authority granted to the State of Arizona.

No opinion is expressed as to the authority of the remaining Parties, other than the State or its agencies, to enter into said Agreement.

DATED December 29, 2004.

TERRY GODDARD
Attorney General



SUSAN E. DAVIS
Assistant Attorney General
Transportation Section

SED:dgr
Attachment
883201

EXHIBIT A

JPA 03-108



DESCRIPTION OF CITY OF MESA ENHANCEMENTS

The City of Mesa requested the project to construct additional road widening on Recker Road to provide a second NB to WB left turn lane (shared 50/50); conduit in Recker Road Bridge; and traffic signal enhancements and new traffic signal at Virginia and Recker Road.

Recker Road Widening—The city will fund 50% of the cost associated with the widening of Recker Road to provide an additional NB to WB left turn lane. The original construction cost is \$10,970 for the City's share. See Exhibit B for costs.

Recker Road Bridge Widening—The city will fund 50% of the cost associated with the widening of Recker Road Bridge to provide an additional NB to WB left turn lane and the increase in sidewalk width from 5-foot to 8-foot. The original construction cost is \$101,024 for the City's share. See Exhibit B for costs.

Recker Road Bridge Conduit—The city will fund the cost associated with the installation of conduits for future use through the Recker Road Bridge. The original construction cost is \$22,000. See Exhibit B for costs.

Traffic Signal Enhancements and New Traffic Signal—The city will fund the cost associated with enhancing the traffic signals on the project to include: Opticom, UPS, illuminated street signs, and video detection; and for the installation of a Traffic Signal outside of the project limits at Virginia and Recker Road. The original construction cost is \$189,609. See Exhibit B for costs.

Utility Crossings—The city will fund the costs associated with the installation of new utilities for future use including: 12" sewer line crossing the freeway at 56th Street and a 20" water transmission line within Power Road. The original construction cost is \$84,750. See Exhibit B for costs.

The City of Mesa will pay for these enhancements based on the bid unit costs as shown on the attached Exhibit B spreadsheet.

Utilities (Prior Rights)—The State will fund the protection of the existing 2-12" waterlines in an existing 36" sleeve crossing under the freeway at approximately 64th Street.

Exhibit B

JPA 03-108 Backup
SR Loop 202, Higley Road to Power RoadContractor's Bid Version
JPA 03-108
Date: 3/15/04
revised 9/2/04City of Mesa Enhancements
for Roadway Widening; Traffic Signal; Water and Sewer

Item	Cost			Description
	Design	Construction	Total	
Recker Road widening for additional NB to WB left turn lane	\$549	\$10,970	\$11,519	Recker Road: Additional NB to WB Left Turn Lane. (50/50) Cost share for Construction. Design Cost based on 5% of Half Construction Cost.
Recker Road Bridge widening for additional NB to WB left turn lane	\$5,051	\$101,024	\$106,075	Recker Road Bridge: Additional NB to WB Left Turn Lane. (50/50) Cost share for Construction. Design Cost based on 5% of Half Construction Cost.
Recker Road Bridge Conduit	\$1,100	\$22,000	\$23,100	Additional Conduit along east side of Recker Bridge. Design Cost based on 5% of Construction Cost.
Virginia and Recker Signal; Video Detection, Opticom, UPS, and Illuminated Street Signs for Recker & 202 and Power & 202	\$9,480	\$189,609	\$199,090	New Traffic Signal at the intersection of Recker Road and Virginia Street; Enhancements to Power and Recker Signals. Design Cost based on 5% of Construction Cost.
Utility Crossings	\$0	\$84,750	\$84,750	New Sleeves for Future Use. 56th Street: 12" Sewer Line. Power Road: 20" Water Line. Design cost paid directly by COM to Designer.
Power Road Wall Heightening Step-down Transition	\$0	\$1,275	\$1,275	Additional Pilaster, Footing, and wall for RedMin step down at Min View HOA wall. (50/50) Cost share for Construction.
SubTotal:	\$16,180	\$409,628	\$425,808	
Maintenance of Traffic Share	\$0	\$0	\$0	Maintenance of Traffic was calculated based on a percentage basis (0%) of the construction cost of the City's Items. (Negligible M & P of traffic for City's Items.)
Construction Surveying and Layout Share	\$0	\$4,670	\$4,670	Construction Surveying and Layout was calculated on a percentage basis (1.14% based on Contractor's Bid) of the construction cost of the City's Items.
Contractor Quality Control Share	\$0	\$3,031	\$3,031	Contractor Quality Control was calculated based on a percentage basis (0.74% based on Contractor's Bid) of the construction cost of the City's Items.
Mobilization Share	\$0	\$40,963	\$40,963	Mobilization was calculated based on a percentage basis (10.0% based on Contractor's Bid) of the construction cost of the City's Items.
Subtotal	\$16,180	\$458,292	\$474,472	
14% Construction Engineering and Contingent	\$0	\$64,161	\$64,161	Construction Engineering was calculated based on a percentage basis (14%) of the subtotal of construction costs of the City's Items.
5% Development Engineering Administration	\$809	\$0	\$809	Engineering Administration was calculated based on a percentage basis (5%) of the design cost of the City's Items.
Total	\$16,989	\$522,452	\$539,442	

Exhibit B
JPA 03-108 Backup
SR Loop 202, Higley Road to Power Road

Contractor's Bid Version
JPA 03-108
Date: 3/15/04
revised 9/2/04

**City of Mesa Enhancements
for Roadway Widening; Traffic Signal; Water and Sewer**

Item	Cost			Description
	Design	Construction	Total	
Recker Road widening for additional NB to WB left turn lane	\$549	\$10,970	\$11,519	Recker Road: Additional NB to WB Left Turn Lane. (50/50) Cost share for Construction. Design Cost based on 5% of Half Construction Cost.
Recker Road Bridge widening for additional NB to WB left turn lane	\$5,051	\$101,024	\$106,075	Recker Road Bridge: Additional NB to WB Left Turn Lane. (50/50) Cost share for Construction. Design Cost based on 5% of Half Construction Cost.
Recker Road Bridge Conduit	\$1,100	\$22,000	\$23,100	Additional Conduit along east side of Recker Bridge. Design Cost based on 5% of Construction Cost.
Virginia and Recker Signal; Video Detection, Opticom, UPS, and Illuminated Street Signs for Recker & 202 and Power & 202	\$9,480	\$189,609	\$199,089	New Traffic Signal at the intersection of Recker Road and Virginia Street; Enhancements to Power and Recker Signals. Design Cost based on 5% of Construction Cost.
Utility Crossings	\$0	\$84,750	\$84,750	New Sleeves for Future Use. 56th Street: 12" Sewer Line. Power Road: 20" Water-Line. Design cost paid directly by COM to Designer.
Power Road Wall Heightening Step-down Transition	\$0	\$1,275	\$1,275	Additional Plaster, Footing, and wall for RedMtn step down at Mtn View HOA wall. (50/50) Cost share for Construction.
SubTotal:	\$16,180	\$409,628	\$425,808	
Maintenance of Traffic Share	\$0	\$0	\$0	Maintenance of Traffic was calculated based on a percentage basis (0%) of the construction cost of the City's Items. (Negligible M & P of Traffic for City's Items.)
Construction Surveying and Layout Share	\$0	\$4,670	\$4,670	Construction Surveying and Layout was calculated on a percentage basis (1.14% based on Contractor's Bid) of the construction cost of the City's Items.
Contractor Quality Control Share	\$0	\$3,031	\$3,031	Contractor Quality Control was calculated based on a percentage basis (0.74% based on Contractor's Bid) of the construction cost of the City's Items.
Mobilization Share	\$0	\$40,963	\$40,963	Mobilization was calculated based on a percentage basis (10.0% based on Contractor's Bid) of the construction cost of the City's Items.
Subtotal	\$16,180	\$458,292	\$474,472	
14% Construction Engineering and Contingent	\$0	\$64,161	\$64,161	Construction Engineering was calculated based on a percentage basis (14%) of the subtotal of construction costs of the City's Items.
5% Development Engineering Administration	\$809	\$0	\$809	Engineering Administration was calculated based on a percentage basis (5%) of the design cost of the City's Items.
Total	\$16,989	\$522,452	\$539,442	

Recker Road widening for additional NB to WB left turn lane

Item	Description	Unit	Quantity	Unit Price	Amount	Comments
3030022	AGGREGATE BASE, CLASS 2	CU.YD.	122	\$21.00	\$2,562	
4010010	PORTLAND CEMENT CONCRETE PAVEMENT (10")	SQ.YD.	566	\$23.00	\$13,018	
4040282	ASPHALT BINDER (PG 76-16)	TON	10	\$200.00	\$2,000	
4060006	ASPHALTIC CONCRETE (3/4" MIX)	TON	190	\$22.00	\$4,180	
4060026	MINERAL ADMIXTURE (FOR 3/4" MIX)	TON	2	\$90.00	\$180	
Total:					\$21,940	

City of Mesa Share for Recker Widening (50%) \$10,970

Recker Road Bridge Conduit

9240051	MISCELLANEOUS WORK (COM CONDUIT - RECKER ROAD)	L.SUM	1	\$22,000	\$22,000
---------	--	-------	---	----------	----------

Recker Road Bridge widening for additional NB to WB left turn lane

9999903	LUMP SUM STRUCTURE (TOTAL OF PRECEDING STRUCTURE I	L.SUM	1	\$202,047	\$202,047
Total					\$202,047

City of Mesa Share for Recker Bridge Widening (50%) \$101,024

Recker Road Bridge Total SF (256' x 112')		28,672
Bridge Length		256
Widening Width (11' turn lane, 3' additional sidewalk each side)		17
Area of Widening		4352
City of Mesa Share (50%)		
Total Bid Cost for Bridge		1,331,135
Cost/SF		\$46.43
Total for widened portion		202,047

Exhibit B
JPA Estimate Backup
SR Loop 202 Higley Road to Power Road

Signal Enhancements - Virginia & Recker Signal; UPS, Opticom, Video Detection, Illuminated Street Signs for Recker & 202 and Power & 202

Item	Description	Unit	Quantity	Unit Price	Amount	Comments
CITY OF MESA WORK						
7310011	POLE (TYPE A) (10 FT)	EACH	1	350.00	\$350	
7310130	POLE (TYPE Q)	EACH	4	2,000.00	\$8,000	
7310200	POLE FOUNDATION (TYPE A)	EACH	1	350.00	\$350	
7310310	POLE FOUNDATION (TYPE Q)	EACH	4	1,300.00	\$5,200	
7310551	MAST ARM (20 FT.) (TAPERED)	EACH	4	550.00	\$2,200	
7310580	MAST ARM (35 FT.) (TAPERED)	EACH	1	1,100.00	\$1,100	
7310590	MAST ARM (40 FT.) (TAPERED)	EACH	2	1,200.00	\$2,400	
7320050	ELECTRICAL CONDUIT (2") (PVC)	L.FT.	345	1.90	\$656	
7320070	ELECTRICAL CONDUIT (3") (PVC)	L.FT.	535	4.00	\$2,140	
7320410	PULL BOX (NO. 5)	EACH	2	225.00	\$450	
7320420	PULL BOX (NO. 7)	EACH	4	300.00	\$1,200	
7320651	CONDUCTORS (SIGNALS)	L.SUM	1	35,000.00	\$35,000	
7320654	CONDUCTORS (12 STRAND FIBER OPTIC) (COM)	L.FT.	55	3.25	\$179	
7320720	TRENCHING (FOR SERVICE CONDUCTORS)	L.FT.	30	3.50	\$105	
7330061	TRAFFIC SIGNAL FACE (TYPE F) (LED)	EACH	14	550.00	\$7,700	
7330211	PEDESTRIAN SIGNAL (MAN/HAND) (LED)	EACH	8	350.00	\$2,800	
7330220	PEDESTRIAN PUSH BUTTON	EACH	5	200.00	\$1,000	
7330310	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE II)	EACH	6	40.00	\$240	
7330330	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE IV)	EACH	1	250.00	\$250	
7330340	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE V)	EACH	1	275.00	\$275	
7330360	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE VII)	EACH	7	325.00	\$2,275	
7340050	CONTROL CABINET (TYPE V)	EACH	1	25,000.00	\$25,000	
7340115	PEDESTAL (ELECTRICAL) (TRAFFIC SIGNAL UNINTERRUPTIBLE POW	EACH	3	8,000.00	\$24,000	
7340120	METER PEDESTAL CABINET	EACH	1	2,000.00	\$2,000	Virginia and Recker
7350132	LOOP DETECTOR FOR TRAFFIC SIGNALS (6' X 60")(QUAD)	EACH	4	900.00	\$3,600	Virginia and Recker
7350144	LOOP DETECTOR FOR TRAFFIC SIGNALS (6' X 20")(QUAD)	EACH	6	600.00	\$3,600	
7360110	LUMINAIRE (HORIZONTAL MOUNT) (HPS 200 WATT)(COM)	EACH	2	320.00	\$640	
7360117	LUMINAIRE (HORIZONTAL MOUNT) (HPS 150 WATT)(COM)	EACH	2	300.00	\$600	
7370421	ELECTRICAL SYSTEM (INTERNALLY ILLUMINATED STREET NAME SIC	EACH	3	3,000.00	\$9,000	
	Loop Detector Credit for Video Detection (Per fax from BSA 6/24/2003)		1	(32,700.00)	(32,700)	
7370422	ELECTRICAL SYSTEM (VIDEO DETECTION CAMERA SYSTEM)	EACH	2	40,000.00	\$80,000	
Total					\$189,609	

Exhibit B
JPA Estimate Backup
SR Loop 202, Higley Road to Power Road

Contractor's Bid Version
JPA 03-108
Date: 3/15/04

Utility Crossings Enhancements - 20" Water at Power, 12" Sewer at 56th Street

Item	Description	Unit	Quantity	Unit Price	Amount	Comments
8080554	PIPE (20")	L.F.T.	0	\$80.00	\$0	
8090187	SEWER PIPE (12") (DUCTILE IRON) (RESTRAINED JOINTS)	L.F.T.	580	\$75.00	\$43,500	
8090702	CASING (24") (OPEN CUT)	L.F.T.	550	\$75.00	\$41,250	
Total					\$84,750	

Exhibit B
JPA Estimate Backup
SR Loop 202, Higley Road to Power Road

Contractor's Bid Version
JPA 03-108
Date: 3/15/04

Power Road Wall Heightening Step-down Transition

Item	Description	Unit	Quantity	Unit Price	Amount	Comments
9240117	MISCELLANEOUS WORK (WALL WITH ADDITIONAL WORK)	SQ.FT.	34	\$75.00	\$2,550	Additional Pilaster, Footing, and wall for RedMtn step down at Mtn View HOA wall.

City of Mesa Share (50%) \$1,275

CITY OF MESA
THOMAS AND RECKER ROAD IMPROVEMENTS
CITY OF MESA PROJECT NO. 00-86
RED MOUNTAIN FREEWAY UTILITIES RELOCATION COSTS WITH PRIOR RIGHTS
ADOT PROJECT H578101C

ITEM NO.	DESCRIPTION	PLANS QTY	UNIT	FINAL QUANT.	UNIT COST	FINAL COST
----------	-------------	-----------	------	--------------	-----------	------------

WATER ITEMS:

113	16" WATER LINE COMPLETE	845	LF	825	\$60.00	\$49,500.00
114	16" BUTTERFLY VALVE W/VALVE, BOX & COVER PER MAG 391, TYPE "B"	1	EA	0	\$2,700.00	\$0.00
115	36" STEEL CASING PIPE, COMPLETE & IN PLACE	412	LF	412	\$250.00	\$103,000.00
116	16" TIE-IN TO EXISTING 16" ACP WATERLINE	2	EA	2	\$1,300.00	\$2,600.00
117	ABANDONMENT OF EXISTING 16" WATERLINE	1	LS	100%	\$2,000.00	\$2,000.00

SEWER ITEMS:

118	15" VCP GRAVITY SEWER LINE COMPLETE	2,480	LF	2,444	\$60.00	\$146,640.00
119	16" DIP SEWER LINE COMPLETE	397	LF	397	\$150.00	\$59,550.00
120	30" STEEL CASING PIPE, COMPLETE & IN PLACE	371	LF	371	\$250.00	\$92,750.00
121	5' MANHOLE PER MAG 420 AS MODIFIED BY THE CITY OF MESA, COMPLETE W/ CORROSION PROTECTION	8	EA	8	\$5,000.00	\$40,000.00
122	GRAVITY SEWER LINE TIE-IN AS DESCRIBED IN APPROVED PLANS	2	EA	2	\$1,200.00	\$2,400.00
123	3" & 10" SEWER FORCE MAIN TIE-IN	1	LS	100%	\$3,600.00	\$3,600.00
124	ABANDONMENT OF EXISTING 15" SEWER LINE	1	LS	100%	\$1,000.00	\$1,000.00

GAS ITEMS:

137	FURNISH & INSTALL SAND BEDDING & SHADING MATERIAL FOR GAS PIPE (CONTINGENCY BID ITEM)	739	LF	902	\$3.00	\$2,706.00
139	INSTALL 4" PE GAS VALVE	1	EA	1	\$1,000.00	\$1,000.00
140	INSTALL 8" SCHEDULE 80 PVC SLEEVE	412	LF	412	\$6.00	\$2,472.00
141	ABANDON IN PLACE 4" PE GAS PIPE	460	LF	470	\$3.00	\$1,410.00
142	TIE IN TO EXISTING 4" PE GAS VALVE	2	EA	2	\$900.00	\$1,800.00
143	INSTALL 4" STEEL GAS PIPE W/UNSCREENED NATIVE BEDDING & SHADING MATERIAL	739	LF	718	\$30.00	\$21,540.00

MISCELLANEOUS ITEMS:

CO #1	REMOVE & RELOCATE TREES FOR UTILITIES RELOCATION		LS			\$5,734.36
	SUBTOTAL					\$539,702.36
	ENGINEERING & ADMIN (15%)					\$80,955.35
	TOTAL COST					\$620,657.71